

## Product datasheet for **RC234935**

### **IL4R (NM\_001257406) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	IL4R (NM_001257406) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	IL4R
Synonyms:	CD124; IL-4RA; IL4RA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC234935 representing NM\_001257406  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGGGTGGCTTTGCTCTGGGCTCCTGTCCCTGTGAGCTGCCTGGTCTGCTGCAGGTGGCAAGCTCTG  
 GGAACATGAAGGTCTTGCAGGAGCCACCTGCGTCTCCGACTACATGAGCATCTCTACTTGCAGTGGAA  
 GATGAATGGTCCCACCAATTGCAGCACCAGCTCCGCCTGTTGTACCAGCTGGTTTTTCTGCTCTCCGAA  
 GCCCACACGTGTATCCCTGAGAACAACGGAGGCGGGGTGCGTGTGCCACCTGCTCATGGATGACGTGG  
 TCAGTGGGATAACTATACTGGACCTGTGGGCTGGGCAGCAGCTGCTGTGGAAGGGCTCCTTCAAGCC  
 CAGCGAGCATGTGAAACCCAGGGCCCCAGGAACTGACAGTTCACACCAATGTCTCCGACTCTGCTG  
 CTGACCTGGAGCAACCCGTATCCCCTGACAATTACCTGTATAATCATCTCACCTATGCAGTCAACATTT  
 GGAGTGAAACGACCCGGCAGATTTGAGATCTATAACGTGACCTACCTAGAACCCTCCCTCCGCATCGC  
 AGCCAGCACCCCTGAAGTCTGGGATTTCTACAGGGCACGGGTGAGGGCTGGGCTCAGTGTATAACACC  
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 TGCTGGGCGTCAGCGTTTCTGCATTGTATCCTGGCCGTCTGCCTGTTGTGCTATGTACAGCATACCAA  
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 CTCTGGCCAGAGAGCATCAGCGTGGTGCATGTGTGGAGTTGTTGAGGCCCGGTGGAGTGTGAGGAGG  
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 GGAAGGGAGGGCATTGTGGCCCGCTAACAGAGAGCCTGTTCCCTGGACCTGCTCGGAGAGGAGAATGGG  
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 TGAGCCAACCCTGTGCCCAACCTGAGCCAGAACTGGGAGCAGATCCTCCGCCGAAATGTCTCCAG  
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 TATAAGCCTTCCAAGACCTCATTCTGGCTGCCTGGGGACCCTGCCCCAGTCCCTGTCCCTTGTTC  
 CCTTTGGACTGGACAGGGAGCCACCTCGCAGTCCGAGAGCTCACATCTCCAAGCAGCTCCCAGAGCA  
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 GACCCCTTGTGGACAGCCTGGGCAGTGGCATTGTCTACTCAGCCCTTACCTGCCACCTGTGCGGCCACC  
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 CCTTCCATCCTGCCCTGGCAATGCTCAGAGCTCAAGCCAGACCCCAAAATCGTGAACCTTGTCTCCGT  
 GGGACCCACATACATGAGGGTCTCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC234935 representing NM\_001257406  
Red=Cloning site Green=Tags(s)

MGWLCSGLLFPVSCLVLLQVASSGNMKVLQEPTCVSDYMSISTCEWKMGPTNCSTELRLLYQLVFLLE  
AHTCIPENNGGAGCVCHLLMDDVVSADNYTLDLWAGQQLLWKGSEFKPSEHVKPRAPGNLTVHTNVSDTLL  
LTWSNPYPPDNYLYNHLTYAVNIWSENDPADFRIYNVTYLEPSLRIAASLTKSGISYRARVRAWAQCYN  
TWSEWSPSTKWHNSYREPFEQHLLLGVSVCIVILAVCLLCYVSIKIKKEWWDQIPNPARSRLVAIIIQ  
DAQSQWEKRSRQEPKCPHWKNCCLKLLPCFLEHNMKRDEDPHKAAKEMPFQGSKSAWCPVEISKTV  
LWPESISVVRVELFEAPVECEEEEEVEEEKGSFCASPESSRDDFQEGREGIVARLTESLFLDLLGEENG  
GFCQQDMGESCLLPSPGSTSAHMPWDEFPSAGPKEAPPWGKEQPLHLEPSPPASPTQSPDNLCTETPLV  
IAGNPAYRSFSNSLSQSPCPRELGPDP LLARHLEEEVEPEMPCVPQLSEPTTVPQPEPETWEQILRRNLQ  
HGAAAAPVSAPTSQYQEFVHAVEQGGTQASAVVGLGPPGEAGYKAFSSLLASSAVSPEKCGFGASSGEEG  
YKPFQDLIPGCPGDPAPVPVPLFTFGLDREPPRSQSSHLPSSSPEHLGLEPGEKVEDMPKPLPQEAT  
DPLVDSLGSIVYSALTCHLCGHLKQCHGQEDGGQTPVMASPCCGCCGDRSSPPTPLRAPDPSPGGVP  
LEASLCPASLAPSGISEKSKSSSFHPAPGNAQSSSQTPKIVNFVSVGPTYMRVS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

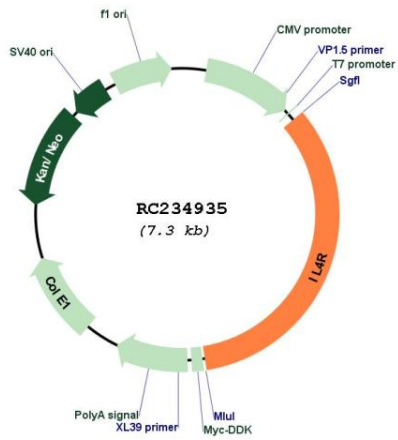
**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6237\\_f04.zip](https://cdn.origene.com/chromatograms/mk6237_f04.zip)

**Restriction Sites:** Sgfl-Mlul



<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001257406.2</a>
<b>RefSeq Size:</b>	3577 bp
<b>RefSeq ORF:</b>	2478 bp
<b>Locus ID:</b>	3566
<b>UniProt ID:</b>	<a href="#">P24394</a>
<b>Cytogenetics:</b>	16p12.1
<b>Protein Families:</b>	Druggable Genome, Secreted Protein
<b>Protein Pathways:</b>	Cytokine-cytokine receptor interaction, Hematopoietic cell lineage, Jak-STAT signaling pathway
<b>MW:</b>	89.7 kDa
<b>Gene Summary:</b>	<p>This gene encodes the alpha chain of the interleukin-4 receptor, a type I transmembrane protein that can bind interleukin 4 and interleukin 13 to regulate IgE production. The encoded protein also can bind interleukin 4 to promote differentiation of Th2 cells. A soluble form of the encoded protein can be produced by proteolysis of the membrane-bound protein, and this soluble form can inhibit IL4-mediated cell proliferation and IL5 upregulation by T-cells. Allelic variations in this gene have been associated with atopy, a condition that can manifest itself as allergic rhinitis, sinusitis, asthma, or eczema. Polymorphisms in this gene are also associated with resistance to human immunodeficiency virus type-1 infection. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Apr 2012]</p>

Product images:



Circular map for RC234935